# Exercise 10: Menu Driven application

Aim : Develop a Menu driven App that displays the option menu that contains names of different countires and when each of the country is clicked, the description about the country should be displayed.

**Code :**

MainActivity.java:

package com.example.menucountry;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuInflater;

import android.view.MenuItem;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

TextView country, desc;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

country = findViewById(R.id.country);

desc = findViewById(R.id.desc);

}

public boolean onCreateOptionsMenu(Menu menu) {

MenuInflater inflater = getMenuInflater();

inflater.inflate(R.menu.country, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

int id = item.getItemId();

switch (id){

case R.id.ind:

// Toast.makeText(getApplicationContext(),"Item 1 Selected",Toast.LENGTH\_LONG).show(); country.setText("India");

desc.setText(R.string.india);

return true;

case R.id.bah:

// Toast.makeText(getApplicationContext(),"Item 2 Selected",Toast.LENGTH\_LONG).show(); country.setText("Bahrain");

desc.setText(R.string.bahrain);

return true;

case R.id.pak:

// Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH\_LONG).show(); country.setText("Pak");

desc.setText(R.string.pakistan);

return true;

case R.id.is:

// Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH\_LONG).show(); country.setText("Israel");

desc.setText(R.string.israel);

return true;

case R.id.chn:

// Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH\_LONG).show(); country.setText("China");

desc.setText(R.string.china);

return true;

case R.id.can:

// Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH\_LONG).show(); country.setText("Canada");

desc.setText(R.string.canada);

return true;

case R.id.uk:

// Toast.makeText(getApplicationContext(),"Item 3 Selected",Toast.LENGTH\_LONG).show(); country.setText("UK");

desc.setText(R.string.uk);

return true;

default:

return super.onOptionsItemSelected(item);

}

}

}

activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/country"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text=""

android:textColor="@color/black"

android:layout\_margin="48dp"

android:padding="24dp"

android:textSize="24dp"

android:textStyle="bold"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<TextView

android:padding="24dp"

android:layout\_margin="24dp"

android:id="@+id/desc"

android:layout\_width="320dp"

android:layout\_height="wrap\_content"

app:layout\_constraintTop\_toBottomOf="@+id/country" app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout> Country.xml:

<?xml version="1.0" encoding="utf-8"?>

<menu xmlns:android="http://schemas.android.com/apk/res/android"> <item android:id="@+id/ind"

android:title="India" />

<item android:id="@+id/bah"

android:title="Bahrain" />

<item android:id="@+id/pak"

android:title="Pakistan" />

<item android:id="@+id/is"

android:title="Israel" />

<item android:id="@+id/can"

android:title="Canada" />

<item android:id="@+id/uk"

android:title="UK" />

<item android:id="@+id/chn"

android:title="China" />

</menu>

Strings.xml:

<resources>

<string name="app\_name">Menu Country App</string>

<string name="india">India, officially the Republic of India (ISO: Bhārat Gaṇarājya), is a country in South Asia. It is the seventh-largest country by area; the most populous country as of June 2023; and from the time of its independence in 1947, the world\'s most populous democracy</string> <string name="pakistan">

َج ْمہُو ِر اِ یَہ ْسالمی :ISO (Pakistan of Republic Islamic the officially] d[,])paːkɪstaːn [ˈپَا ِک ْستَان :Urdu (Pakistan انَستْ کِ اَپ, islāmi jamhūriyāh pākistān), is a country in South Asia.

</string>

<string name="bahrain">

Bahrain (/bɑːˈreɪn/bah-RAYN, /ˈreɪn/; Arabic: البحرين, romanized: al-Baḥrayn, locally [æl baħˈreːn]), officially the Kingdom of Bahrain,[a] is an island country in West Asia.

</string>

<string name="israel">

Israel is a country in West Asia. It is bordered by Lebanon to the north, by Syria to the northeast, by Jordan to the east, by the Red Sea to the south, by Egypt to the southwest, by the Mediterranean Sea to the west, and by the Palestinian territories – the West Bank along the east and the Gaza Strip along the southwest. In war please try later

</string>

<string name="china">

China , officially the People\'s Republic of China (PRC),[k] is a country in East Asia. </string>

<string name="canada">

Canada is a country in North America. Its ten provinces and three territories extend from the Atlantic Ocean to the Pacific Ocean and northward into the Arctic Ocean, making it the world\'s second-largest country by total area,

</string>

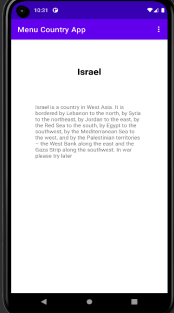
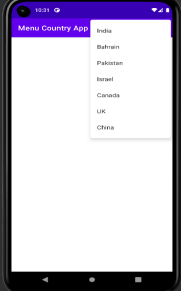
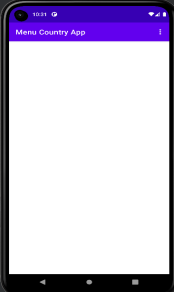
<string name="uk">

The United Kingdom of Great Britain and Northern Ireland, commonly known as the United Kingdom (UK) or Britain,[k][14] is an island country in Northwestern Europe, off the north-western coast of the continental mainland.

</string>

</resources>

**Output :**

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**Learning Outcome :**

1. Learnt to edit the menu on android studio 2. Learnt the steps to deploy a new resource file